

# Attachment 1: Authorization and Eligibility Requirements

Attachment 1 consists of the following:

- ✓ **Authorizing Documentation**

A resolution will be adopted by the Upper Mokelumne River Watershed Authority's (UMRWA's) Board of Directors on January 28, 2011 designating the Executive Officer, Rob Alcott, the authorized representative to submit the Proposition 84 IRWM Implementation Grant application and to execute an agreement with the State of California for an Integrated Regional Water Management (IRWM) Implementation Grant. A letter regarding the Executive Officer's authority and more detail regarding the resolution is included in Attachment 1.

- ✓ **Eligible Application Documentation**

A letter documenting UMRWA's eligibility as an applicant for the Proposition 84 IRWM Implementation Grant Program.

- ✓ **Groundwater Management Plan Compliance**

There are no groundwater management or recharge projects or projects with potential groundwater impacts included in this IRWM Implementation Grant Proposal.

- ✓ **Compliance with CWC §83002.(b)(3)(B)**

The Mokelumne/Amador/Calaveras (MAC) IRWM Region was accepted through the 2009 Regional Acceptance Process (RAP) as shown in Table 1 of the *Proposition 84 IRWM Grant Program – Proposal Solicitation Package for Implementation Grants*. The MAC IRWM Plan was adopted on December 14, 2006 by Amador Water Agency (the lead agency for the IRWM planning effort) and by other Regional Water Management Group members throughout November and December 2006.

- ✓ **Consistency with an adopted IRWM Plan**

A listing of the four projects proposed for funding and a description of how they are consistent with the adopted MAC IRWM Plan.

## **Authorizing Documentation**



# Upper Mokelumne River Watershed Authority

5883 East Camanche Parkway • Valley Springs, CA 95252  
Telephone: (209) 772-8340 Fax: (209) 772-8264

November 3, 2010

Department of Water Resources  
Division of Integrated Regional Water Management

Subject: Documentation authorizing the Executive Officer to submit IRWM Implementation Grant application

To whom it may concern,

The purpose of this letter is to document my authority to submit the accompanying Implementation Grant application on behalf of the Upper Mokelumne River Watershed Authority (UMRWA or Authority). UMRWA is a joint powers agency comprised of Alpine, Amador and Calaveras Counties and six water agencies which provide service within those counties. I am the Executive Officer (EO) for the Authority and have served in this capacity for ten years. The Board, which meets quarterly in January, April, July and October, next meets on January 28, 2011. *A resolution formally designating me to submit the application and execute an agreement with the State of California for an IRWM Implementation Grant will be presented for the Board's adoption at that January 28 meeting.*

To document UMRWA's decision to submit an Implementation Grant application, please note the two prior formal actions by the Authority Board of Directors.

The Authority Board initially authorized preparation of a Proposition 84 Implementation Grant application at its April 23, 2010 regular meeting. The below excerpt is from the minutes of that UMRWA Board meeting.

*Motion 10-10 – Motion to (1) approve the draft list of candidate projects to be used as the preliminary basis for UMRWA's Implementation Grant application, and (2) approve the preparation of an Implementation Grant application and authorize the EO to follow the process and schedule as presented, made by Director Wilensky, seconded by Director Dean, and carried by roll call vote: Yea 7 - Nay 0.*

Later, at the October 1, 2010 Board of Directors regular meeting, the Board was briefed on DWR's final Implementation Grant application requirements and reviewed a task plan, schedule and budget for completing the UMRWA grant application by the January 7, 2011 deadline. The Board's authorization to submit the UMRWA Implementation Grant application is provided in the Board motion as documented in the minutes of that meeting and presented below.

*Motion 27-10 – Motion to approve the following three recommended actions by Director Dean, seconded by Director Moore, and carried by roll call vote: Yea 6 - Nay 1.*

- 1) Authorize the EO to work with RMC to prepare and submit the UMRWA Implementation Grant per the RMC task plan.*
- 2) Authorize a total task budget of \$39,000 (\$30,200 RMC, \$5,250 EO, 10% contingency).*
- 3) Authorize the EO to execute amendments to the RMC contract per the above.*

#### Members

Alpine County • Alpine County Water Agency • Amador County • Amador Water Agency • Calaveras County • Calaveras County Water District • Calaveras Public Utility District • East Bay Municipal Utility District • Jackson Valley Irrigation District

As pledged above, a resolution, formally designating me to submit the application and execute an agreement with the State of California for an IRWM Implementation Grant, will be presented for the Board's adoption at that January 28 meeting. That resolution will then be promptly submitted to the Department to fulfill the requirement of the completeness of the application.

Please contact me directly at [robalcott@aol.com](mailto:robalcott@aol.com) or 707-785-1008 if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rob Alcott", with a long horizontal flourish extending to the right.

Rob Alcott  
Executive Officer

Members

Alpine County • Alpine County Water Agency • Amador County • Amador Water Agency • Calaveras County • Calaveras County Water District •  
Calaveras Public Utility District • East Bay Municipal Utility District • Jackson Valley Irrigation District

## Leslie Dumas

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**From:** Rob Alcott [robalcott@aol.com]  
**Sent:** Monday, November 08, 2010 11:47 AM  
**To:** Leslie Dumas  
**Subject:** DWR 'ok' of UMRWA letter  
**Attachments:** 101103\_Imp\_Grant\_Application\_Authorization.doc

Leslie, per your request Mr. Muzaffar's email note OKing UMRWA's letter is provided below.

Rob

-----Original Message-----

From: Eusuff, Muzaffar "Zaffar" <meusuff@water.ca.gov>  
To: Rob Alcott <robalcott@aol.com>  
Sent: Thu, Nov 4, 2010 3:00 pm  
Subject: RE: UMRWA letter

Rob,  
Sorry for the delay to get back to you. I was tied up with meetings until now. Anyways, see my changes in the attached letter. This will be accepted (conditional) by us for the submittals to meet the January 7, 2011 deadline. However, you must submit the official Board Resolution as soon as possible. Please see pages 17 and 18 of the PSP. Without the resolution we will not consider the application as complete.  
Let me know if you have any question.  
Thanks.

*Zaffar Eusuff, Ph.D., P.E.*

Financial Assistance Branch  
Division of Integrated Regional Water Management  
California Department of Water Resources  
901 P Street, Room 213 A      P.O. Box 942836  
Sacramento, CA 95814      Sacramento, CA 94236-0001  
Phone (916) 651-9266      Fax (916) 651-9292

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**From:** Rob Alcott [<mailto:robalcott@aol.com>]  
**Sent:** Wednesday, November 03, 2010 4:21 PM  
**To:** Eusuff, Muzaffar "Zaffar"  
**Subject:** UMRWA letter

Zaffar,

Thank you for promptly responding to my inquiry. I received the message you left for me and have edited the letter to incorporate our pledge to adopt a resolution at the UMRWA Board's January meeting. (Please see the attached letter.)

Please email me a confirmation that this letter and pledge will meet DWR's needs/requirements.

Thank you again, your accomodation is very much appreciated.  
Rob

Rob Alcott  
Executive Officer  
Upper Mokelumne River  
Watershed Authority

## **Draft Authorizing Resolution**

**DRAFT**  
BEFORE THE BOARD OF DIRECTORS OF THE  
UPPER MOKELUMNE RIVER WATERSHED AUTHORITY

RESOLUTION 2011 - XX

RESOLUTION AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE  
INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) IMPLEMENTATION GRANT  
PROGRAM AND EXECUTION OF AN AGREEMENT  
WITH THE CALIFORNIA DEPARTMENT OF WATER RESOURCES

WHEREAS, organized in 2000, the Upper Mokelumne River Watershed Authority (UMRWA) is the approved Regional Water Management Group for the Mokelumne/Amador/Calaveras IRWM Region; and,

WHEREAS, the member agencies comprising the UMRWA are Alpine County Water Agency, Amador Water Agency, Calaveras County Water District, Calaveras Public Utility District, East Bay Municipal Utility District, Jackson Valley Irrigation District, and the Counties of Alpine, Amador and Calaveras; and,

WHEREAS, in 2006, the Mokelumne/Amador/Calaveras Region Integrated Regional Water Management Plan was adopted for the MAC Region; and,

WHEREAS, in November 2006, Proposition 84: the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coast Protection Bond Act of 2006 passed by the vote of the people of California; and,

WHEREAS, the intent of the IRWM Implementation Grant Program is to provide funding for projects that support integrated water management planning and implementation; and,

NOW, THEREFORE, BE IT RESOLVED that this Board of Directors of the Upper Mokelumne River Watershed Authority hereby:

1. Authorizes that application be made to the California Department of Water Resources to obtain an Integrated Regional Water Management Implementation Grant pursuant to the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Public Resource Code Section 75001 *et seq.*); and,
2. Authorizes the Executive Officer, upon the concurrence of Authority Counsel and on the condition there is no unauthorized fiscal impact on UMRWA, to execute an agreement on behalf of UMRWA with the Department of Water Resources upon award of grant funds.

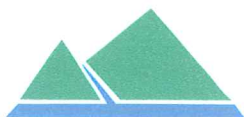
PASSED AND ADOPTED: January 28, 2011 by a \_\_\_ to \_\_\_ vote of the Board of Directors.

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Rob Alcott, Executive Officer  
Upper Mokelumne River  
Watershed Authority

## **Eligible Application Documentation**





# Upper Mokelumne River Watershed Authority

5883 East Camanche Parkway • Valley Springs, CA 95252  
Telephone: (209) 772-8340 Fax: (209) 772-8264

November 3, 2010

Department of Water Resources  
Division of Integrated Regional Water Management

Subject: IRWM Implementation Grant application 'Eligible Applicant' written statement

To whom it may concern,

The purpose of this written statement is to document the Upper Mokelumne River Watershed Authority's (UMRWA or Authority) eligibility for a Proposition 84 Implementation Grant. UMRWA is a joint powers authority formed in August 2000 and comprised of Alpine, Amador and Calaveras Counties and six water agencies which provide service within those counties. As a joint powers authority UMRWA is a 'local agency' as defined in Appendix B - Definitions of the IRWM Guidelines.

The UMRWA joint powers agreement is made pursuant to the provisions of Chapter 5 of Division 7 of Title 1 of the Government Code of the State and all laws amendatory thereof or supplemental thereto relating to the joint exercise of powers common to public agencies. The Authority is authorized in its own name to do all acts necessary or convenient to the exercise of its powers and purposes, including but not limited to the following (an excerpt from Section 6.1 of the UMRWA joint powers agreement):

- To exercise jointly the common powers of its Member Entities in studying, planning and implementing water and watershed projects.
- To make and enter contracts.
- To contract for the services of engineers, attorneys, planners, financial consultants or other agents, and separate and apart there from, to employ such other persons, as it deems necessary.
- To receive gifts, contributions and donations of property, funds, services and other forms of assistance from persons, firms, corporations and any governmental entity.
- To apply for an appropriate grant or grants and/or loan or loans under any federal, state or local programs.

UMRWA will itself administer the requested Implementation Grant and will track associated funds. UMRWA's existing fiscal practices, including annual budgeting, review of quarterly Treasurer's Reports, and annual independent audits, will ensure effective performance of the Implementation Grant and related funds.

Please contact me directly at [robalcott@aol.com](mailto:robalcott@aol.com) or 707-785-1008 if you have any questions.

Sincerely,

Rob Alcott  
Executive Officer

#### Members

Alpine County • Alpine County Water Agency • Amador County • Amador Water Agency • Calaveras County • Calaveras County Water District • Calaveras Public Utility District • East Bay Municipal Utility District • Jackson Valley Irrigation District

## **Consistency with the 2006 MAC IRWM Plan**

# Consistency with Adopted MAC IRWM Plan

The four projects included in this Implementation Grant Proposal are the following:

1. Lake Camanche Tank Rehabilitation & Lateral Replacement Project (Amador Water Agency)
2. Amador Water System Leak Detection & Repair Program (Amador Water Agency)
3. West Point Water Main & Tank Replacement Project (Calaveras County Water District)
4. Camanche South Shore Water Treatment Plant Phase 1 Project (East Bay Municipal Utility District)

The Amador Water System Leak Detection & Repair Program, the West Point Water Main & Tank Replacement, and the Camanche South Shore Water Treatment Plant Project were all included in the 2006 MAC Plan. The project numbers as listed in the MAC Plan are as follows:

- Project Number 26 – Amador Water System Leak Detection & Repair Program
- Project Number 46 – West Point Water Main & Tank Replacement
- Project Number 41 – Camanche South Shore Water Treatment Plant

The Lake Camanche Tank Rehabilitation & Lateral Replacement Project is an eligible project because it will directly address a water supply issue in a disadvantaged community (DAC). This Project was also discussed at the Regional Participants Committee (RPC) meeting on May 26, 2010 as part of the Upper Mokelumne River Watershed Authority MAC Plan Update. The RPC, the MAC Plan stakeholder group, reviewed and discussed a short list of projects that could be included in the implementation grant application and added to the IRWM Plan post-adoption. The RPC endorsed retaining several of the projects, the Lake Camanche Tank Rehabilitation & Lateral Replacement Project being one of them. At the June 18, 2010 Upper Mokelumne River Watershed Authority Board Advisory Committee meeting, the Project was also discussed and it was agreed that it would be included in this Proposition 84 Implementation Grant Proposal. The meeting minutes from the RPC meeting and the agenda from the Board Advisory Committee are both attached herein.



## Upper Mokelumne River Watershed Authority MAC Plan Update

### MEETING MINUTES

Regional Participants Committee (RPC) Meeting No. 2

May 26, 2010; 1:30 pm to 3:45 pm

Amador County Administration Building, Jackson California

### Attendance and Introductions

| RPC Members            | Present | Absent | Affiliation                                   | Alter-nate |
|------------------------|---------|--------|---|------------|
| Pete Bell              | X       |        | Foothill Conservancy                          |            |
| Krista Clem-O'Sullivan |         | X      | Golden Vale Subdivision                       |            |
| Brianna Creekmore      |         | X      | West Point Community                          |            |
| Mike Daly              | X       |        | City of Jackson (present for part of meeting) |            |
| Dixon Flynn            |         | X      | City of Plymouth                              |            |
| Tom Francis            | X       |        | East Bay Municipal Utility District (EBMUD)   |            |
| Sarah Green            |         | X      | Alpine Watershed Group                        |            |
| Donna Leatherman       | X       |        | Calaveras Public Utilities District           |            |
| Gene Mancebo           | X       |        | Amador Water Agency                           |            |
| Phil McCartney         |         | X      | Mokelumne Hill Sanitary District              |            |
| Ted Novelli            | X       |        | Amador County Board of Supervisors            |            |
| Ed Pattison            | X       |        | Calaveras County Water District               |            |
| Rod Schuler            | X       |        | Retired Amador County PW Director             |            |
| Gary Slade             |         | X      | Amador Fly Fishers                            |            |
| Susan Snoke            |         | X      | Upper Mokelumne River Watershed Council       |            |
| Terry Strange          |         | X      | Resident                                      |            |
| Madonna Wiebold        |         | X      | Resident                                      |            |
| Hank Willy             |         | X      | Jackson Valley Irrigation District            |            |
| vacant                 |         | X      | Sierra Pacific Industries                     |            |
| vacant                 |         | X      | PG&E/ERC                                      |            |
| vacant                 |         | X      | U.S. Forest Service                           |            |
| Interested Persons     | Present | Absent | Affiliation                                   |            |
| Bob Dean               | X       |        | Calaveras County Water District               |            |
| Gary Thomas            | X       |        | Amador Water Agency                           |            |
| Debbie Dunn            | X       |        | Amador Water Agency                           |            |
| Anne Littlejohn        | X       |        | Central Valley RWQCB                          |            |
| Genevieve Sparks       | X       |        | Central Valley RWQCB                          |            |
| Erik Christeson        | X       |        | Amador Water Agency                           |            |



## Upper Mokelumne River Watershed Authority MAC Plan Update

| Project Team  | Present | Absent | Affiliation                                       |
|---------------|---------|--------|---|
| Rob Alcott    | X       |        | Upper Mokelumne River Watershed Authority (UMRWA) |
| Leslie Dumas  | X       |        | RMC Water and Environment                         |
| Karen Johnson | X       |        | Water Resources Planning                          |

### Introductions and Business

The second meeting of the RPC for the Mokelumne/Amador/Calaveras Integrated Regional Water Management Plan Update (MAC Plan Update) was begun by Rob Alcott of the Upper Mokelumne River Watershed Authority (Authority or UMRWA) at 1:40pm at the Amador County Administration Building in Jackson, California on Wednesday, May 26, 2010. The meeting agenda was emailed to RPC members and interested persons on May 18, 2010. A PowerPoint presentation was used for this meeting. The presentation slides provide details that are summarized here along with discussion highlights.

Karen Johnson described the goals of the meeting and the agenda. This was followed by self introductions by those in attendance. She presented several administrative action items since the first RPC meeting in January 2009 as described here.

- Edits had been made to the RPC membership roster to reflect changed positions and the addition of the U.S. Forest Service. It was suggested that Amador District be added in addition to Calaveras District. The RPC reviewed and agreed to the changes and welcomed Donna Leatherman to the RPC as the new General Manager of Calaveras Public Utility District. Congratulations were given to Gene Mancebo as the new General Manager of Amador Water Agency (AWA). Name suggestions were made regarding vacant positions: Jim Frasier for US Forest Service, Rich Dobel for PG&E, Steve Wiard for SPI. Alcott will follow up with these suggestions.
- Johnson described changes made and agreed upon by the RPC at the January 2009 meeting to the Governing Procedures regarding a decision process.
- Based on input from the first meeting, it was determined that the best meeting times are on the second and fourth Wednesdays at 1:30 PM.
- If a RPC member adds an item to the meeting agenda, it must be provided to the consultant team at least one week prior to the meeting.

### MAC Plan Activities Update

Rob Alcott updated the RPC on UMRWA activities for the MAC Plan Update since the last meeting. He discussed the submittal of the RAP application and DWR's approval of the MAC region, the establishment of a UMRWA Board Advisory Committee (BAC) and where it fits into the MAC Plan Update organization and decision structure, and the FY 2010 project related budget items. The budget includes the current Phase 2 effort



## Upper Mokelumne River Watershed Authority MAC Plan Update

involving RPC meetings in 2010 and preparation of applications for both Proposition (Prop) 84 implementation and planning grants.

### State IRWM Program Draft Guidelines and Proposal Solicitation Packages

Leslie Dumas discussed the Department of Water Resources' (DWR) recently released draft Integrated Regional Water Management (IRWM) Guidelines and Proposition 84 funding allocations. Competition for the first round of *implementation* grants is between four regions within the San Joaquin funding area; ~\$6.33m available this cycle. Assuming an equal division of funds amongst the four qualifying regions (a 25 percent allocation) would result in \$1.6m. Matching grant requirements of 25 percent (not including DACs) were discussed by the group. No State funds can be used as matching funds. Dumas mentioned that the cost/benefit analysis and AB1420 compliance for best management practices required by draft guidelines are of concern throughout the State due to costs to complete. *Planning* grants are competitive statewide and have a maximum award of \$1m with a local match of 50 percent.

*Implementation* grant eligibility is only for projects in adopted IRWM plans with the exception of DAC projects addressing critical water related needs and for leak detection/repair and metering projects. The final guidelines and Proposal Solicitation Packages (PSP) are anticipated to be released July 1, 2010 with planning grant applications due mid-August and implementation grant applications due September 1, 2010.

### Implementation Grant Application

Alcott described the tentative implementation grant application process and schedule. Project selection eligibility and criteria were discussed along with a draft short list of candidate projects. The importance of projects being "shovel ready" was discussed, meaning that projects that do not need CEQA documentation or design work to be completed will get a higher score. DWR is likely to approve or disapprove the package as a whole; they will not pick projects to approve. It was mentioned that Jackson and Plymouth had both received funding from other sources, so those projects were not included on the draft candidate project list.

Pete Bell asked that the East Panther Dam removal project be considered and most, not all, agreed that this project adds diversity to the initial list which may make it more competitive. The RPC discussed, at length, how to go about reducing the number of projects on the initial list.

It was agreed that AWA would drop the county-wide project that would be too costly and instead define and estimate costs for AWA and Lake Camanche Village (DAC) leak detection and repair programs that are focused and ready to implement. Calaveras





## Upper Mokelumne River Watershed Authority MAC Plan Update

County Water District (CCWD) will define a West Point project that includes a phased distribution system replacement program; will determine if the filter project should be included; and will consider a focused leak detection and repair program. Bell will document the East Panther Creek dam removal project to define the project and costs. It was suggested that these project definitions would identify multiple, measurable benefits and phasing of projects as well as identify readiness to be implemented. EBMUD said it was evaluating a potential first phase of the Camanche South Shore water supply project but would delay a decision pending how many other candidate projects were advanced. It was suggested that Dumas review the project descriptions and score them as if she were a DWR reviewer.

| RPC Implementation Grant Candidate Projects Discussed/Considered |                      |                     |
|--|----------------------|---------------------|
| Project  | Proponent            | Potential Amount    |
| West Point water system upgrades/ replacements                   | CCWD                 | \$1 to \$4 million  |
| Calaveras leak detection and repair                              | CCWD                 | Unknown             |
| Amador leak detection and repair                                 | AWA                  | Unknown             |
| Gravity supply line  | AWA                  | \$200,000 – 500,000 |
| Lake Camanche Village water system upgrades/leak abatement       | AWA                  | Unknown             |
| E. Panther Creek dam removal                                     | Foothill Conservancy | \$200,000 – 250,000 |
| Camanche South Shore water supply project                        | EBMUD                | Unknown             |

If UMRWA submits an implementation grant application, it is obligated to complete the MAC Plan Update to the new standards within two years. Concern was expressed that the UMRWA BAC will be hit too hard with technical details of the proposed projects; Alcott allayed this concern because the BAC has already been briefed on the application process details and what is coming up at their next meeting; they are prepared for these next steps.

### Planning Grant Application

The planning grant application process and schedule was described by Alcott. RPC members were asked for their preference on meeting frequency so the consultant team can reflect preferences in the scope and budget for updating the plan. It was decided that monthly meetings will be budgeted to ensure that RPC members can be actively involved in ongoing decisions, be knowledgeable about issues at hand, and establish



## Upper Mokelumne River Watershed Authority MAC Plan Update

project momentum. However, it was acknowledged that some meetings will be cancelled prior to the meeting date, with adequate notice, if not needed.

A discussion was held regarding adding a task to the MAC Plan Update scope in the planning grant application to address conflicts with the Integrated Regional Conjunctive Use Program (IRCUP). The RPC decided that this could be of great value; it is an opportunity to establish a formal process to resolve, or at least educate everyone on, the conflicts. As with the Water Forum in Sacramento, major players involved in the regional water resources conflicts and issues can use a formal process to discuss conflicts and work towards mutual benefits.

### Next Steps and Adjournment

Once the final guidelines and PSPs are released, the project team will prepare planning and implementation grant applications for review and approval by the UMRWA Board. The implementation grant and planning grant application packets will be submitted September 1 and August 15, respectively, based on DWR's current schedule. RPC members will be kept apprised of activities by email between now and the next RPC meeting.

The next RPC meeting is anticipated to be scheduled during summer of 2010. Interest was expressed that the RPC have another opportunity to review the refined candidate project descriptions before the implementation grant application is submitted. Depending on the timing of activities, this may occur, or email communications used instead to allow RPC members time to review and comment quickly, if schedule is of concern.

Meeting minutes and other correspondence will be sent via email to all members and interested others on the RPC mailing list. The project website will be updated with materials from this May 26, 2010 RPC meeting.

The meeting concluded at approximately 3:45 p.m.





# Upper Mokelumne River Watershed Authority

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## Board Advisory Committee

### TELECONFERENCE MEETING

Friday, June 18, 2010 – 2:00 p.m.

(CONFERENCE CALL phone number 1-866-206-0240; Participant PIN 295622#)

|   |   |   |
|---|---|---|
| Amador Water Agency<br>12800 Ridge Road<br>Sutter Creek, CA 95685<br>Phone: 209-257-5238<br><br>Director Coleman<br>5 Third Street, Suite 320<br>San Francisco, CA 94103<br>Phone: 415-744-2386 | Calaveras County Water District<br>423 East St. Charles Street<br>San Andreas, CA 95249<br>Phone: 209-754-3028<br><br>Executive Officer Office<br>35272 Spyglass Lane<br>Sea Ranch, CA 95497<br>Phone: 707-785-1008 | East Bay MUD - Board<br>Chambers<br>375 11th Street, Room 218<br>Oakland, CA 94607<br>Phone: 510-287-0404 |
|---|---|---|

### **AGENDA**

1. **Implementation Grant Candidate Project Options**
2. Obligations Tied to Acceptance of IRWM Grant Funding
3. Proposed FY2011 UMRWA Budget and Funding Formula
4. Executive Officer Contract for FY2011
5. Proposed Letter Commenting on the MORE Water Project draft EIR
6. Next Board Advisory Committee meeting date
7. Board Member Comments
  - a) Board Vice Chair

### **ADJOURNMENT:**

Next Board Advisory Committee Meeting: Date/time to be determined

Title:

Implementation Grant Candidate Project Options

Proposed Recommended Action:

Authorize the Executive Officer to proceed with developing preliminary Implementation Grant application materials for the candidate projects listed below, and to return to the Governing Board with a final list of recommended projects based on a 'competitiveness' evaluation using DWRs final Implementation Grant scoring criteria.

Discussion:

At the April 23 meeting the Governing Board authorized the following actions be undertaken with regard to developing and submitting an UMRWA Implementation Grant application.

- At its scheduled May 26 meeting the RPC (the MAC Plan stakeholder group) will review and discuss the short list of candidate projects.
- On June 18 the Board Advisory Committee will review Implementation Grant candidate project descriptions and funding amounts to be potentially included in the application.
- On July 23 the UMRWA Governing Board will be presented the grant application for approval.
- In late August/early September the Implementation Grant application will be submitted.

Following discussion at its May 26 meeting the RPC endorsed retaining several of the short-listed projects and agreed several additional projects should be further evaluated for possible inclusion in UMRWA's Implementation Grant application. Following the meeting the organizations that are the proponents of the candidate projects agreed to prepare more detailed descriptions and cost estimates of the projects under active consideration. These projects are summarized in the following table.

| Project Name  | Proponent            | Estimated Cost | Local Match |
|---|----------------------|----------------|-------------|
| West Point Water Main and Tank Replacement Project              | CCWD                 | \$1,451,500    | N/A (DAC)   |
| Lake Camanche Tank Rehabilitation & Lateral Replacement Project | AWA                  | \$ 539,126     | N/A (DAC)   |
| Leak Testing & Repair Program – Amador Water System             | AWA                  | \$ 293,840     | AWA - 25%   |
| Gravity Supply Line Project                                     | AWA                  | \$ 350,000     | AWA - 25%   |
| E. Panther Creek Dam Removal & Restoration                      | Foothill Conservancy | \$ 210,000     | FC - 25%    |
| Total Under Consideration                                       |                      | \$2,834,466    |             |

Summary descriptions and relevant project details, prepared by the Project Proponents, are included in the pages immediately following this one.

# WEST POINT WATER MAIN and TANK REPLACEMENT PROJECT

## (CCWD)

### Project Description

CCWD operates a domestic water system in West Point that serves approximately 560 connections and is seeking funding to replace key elements of its aging water system. The system is currently in such a deteriorated condition that the District estimates nearly 25 percent of the treated water conveyed to the system is lost due to leaking pipelines and leaking tanks. The water system is one of the oldest in the area and entirely sub-standard in terms of capacity to deliver fire flows and overall reliability to serve the community. This project will provide immediate improvement in water savings, water pressure, capacity, and fire flow for the community.

The proposed project consists of replacing deteriorating water mains and a leaking redwood water storage tank. The water main replacement will include 3,900-feet of 12-inch transmission main along Winton Road between the water treatment plant and downtown West Point and replacing an additional 2,700 feet of water mains within the downtown area along Main Street and Pine Street. A new 50,000-gallon steel water storage tank will replace a leaking redwood tank and 1,500 feet of galvanized steel line to the tank will be replaced with PVC pipe.

### Construction Cost Estimate

| DESCRIPTION                              | QTY   | UNITS | UNIT PRICE      | COST (\$)          |
|--|-------|-------|-----------------|--------------------|
| 8" Pipe, PVC                             | 3,610 | LF    | \$50            | \$180,500          |
| 10" Pipe, PVC                            | 600   | LF    | \$60            | \$36,000           |
| 12" Pipe, DIP                            | 3,900 | LF    | \$95            | \$370,500          |
| 8" Gate Valves                           | 8     | EA    | \$1,250         | \$10,000           |
| 10" Gate Valves                          | 2     | EA    | \$1,500         | \$3,000            |
| 12" Gate Valves                          | 4     | EA    | \$2,300         | \$9,200            |
| Pavement Replacement                     | 6,600 | LF    | \$20            | \$132,000          |
| Fire Hydrants                            | 14    | EA    | \$4,500         | \$63,000           |
| Air Release Valves                       | 5     | EA    | \$3,000         | \$15,000           |
| Service Connections                      | 65    | EA    | \$1,200         | \$78,000           |
| Tie-In's / Connections                   | 6     | EA    | \$5,000         | \$36,000           |
| Water Storage Tank                       | 1     | LS    | \$250,000       | \$250,000          |
| <b>Total Estimated Construction Cost</b> |       |       |                 | <b>\$1,183,200</b> |
| Construction Contingency                 | 10%   | LS    |                 | \$118,300          |
|  |       |       | <b>Subtotal</b> | <b>\$1,301,500</b> |
| Planning/Design/Engineering              | 6%    | LS    |                 | \$75,000           |
| Construction Inspection/Admin.           | 6%    | LS    |                 | \$75,000           |
| <b>Total Estimated Project Cost</b>      |       |       |                 | <b>\$1,451,500</b> |

### Project Schedule

Project Duration: **280 Days**

Environmental / CEQA Documentation - completed in 2007

Task 1 (60 days) - Finalize Plans, Bid Documents, and CalTrans & County encroachment Permits

Task 2 (40 days) - Bid and Award

Task 3 (180 days) – Construction

# Lake Camanche Tank Rehabilitation & Lateral Replacement Project (AWA)

## **Project Description:**

Lake Camanche Water Improvement District No. 7 (WID #7) is a groundwater system with a series of wells, storage tanks, hydro-pneumatic tanks and booster stations with an estimated yearly production of 100 million gallons that serves over 700 service connections.

This project would include the fabrication and installation flexible geomembrane liners in five (5) existing, leaking, redwood storage tanks. The redwood storage tanks often suffer from weather damage, general decay and small animal damage, usually at the high water level. In order to reduce water waste, the high levels of these tanks have been operationally lowered. Several iterations of lowering the tank high levels have significantly reduced the storage capacity of the tanks below their nominal capacity, several feet in some cases. These reduced storage capacities of the tanks have reduced the emergency availability of water during power failures, fire events, and drought situations by approximately 13%. While the Agency regularly makes modifications and corrections to infrastructure leaks; these old redwood storage tanks continue to be a substantial contributor to system water losses.

In addition to lining of the existing redwood tanks, this project proposes to replace 300 (approximately half) of the remaining polyethylene ("Poly-Tube") service laterals within the system. These laterals were originally installed in the late 1970s and as they continue to age, the material becomes very brittle and subject to severe longitudinal cracking. Thus they regularly leak and fail, causing significant damage to other infrastructure and substantial water losses. Agency crews, on average, repair and replace twelve to twenty laterals each year as they fail.

## **Project Benefits:**

Minimizing the system water losses will reduce maintenance, minimize lost revenue and reduce costs to this small disadvantage community. The installation of the liners will have the added benefit of improving the quality of the water caused from intrinsic issues associated with redwood tanks.

The Agency conducted a Median household income survey in 2005 for the Lake Camanche Unit 6 and Recreation Areas. The survey was compiled by Mercy Housing of Sacramento and established that the community is disadvantaged at a Median Household Income of \$36,000 - \$36,999. The income levels of the Lake Camanche Village home owners have further been reduced with the current economy and another Median Household survey is currently underway and planned to be completed by July 1, 2010. It is expected that median household income will be reduced significantly.

## **Approvals/Permits Received and Still Needed:**

Approvals/Permits Received: None

Approvals/Permits Required: Amador County Encroachment Permit; CA Department of Public Health

## **Estimated Cost & Source of 25% Local Match:**

The Engineers Estimate of Probable Costs for the geomembrane liner portion of the project is \$249,726 and an additional \$289,400 for the lateral replacement portion of the project for a total project cost of \$539,126. The Amador Water Agency is seeking \$539,126 to reduce the financial burden on this small disadvantaged community. Since this is a disadvantaged community, there is no local match requirement.

## Leak Testing & Repair Program – Amador Water System (AWA)

### **Project Description:**

The Amador Water Agency operates the Amador Water System which conveys water to the cities of Amador City, Lone, Jackson, Plymouth, Sutter Creek and portions of unincorporated Amador County. Significant portions of the water conveyance system were constructed nearly sixty (60) years ago. These water conveyance pipelines are inefficient and wasteful in conveying available water resources within the Amador Waters System due to leakage.

The Agency proposes to implement a system of eighteen “master meters” on key pipelines within the Amador Water System to determine those which have significant leakage and thus the greatest need for repair or replacement. This portion of the Amador Water System served by the Tanner Water Treatment Plant currently experiences 6% water loss while the portion served by the Lone Water Treatment Plant experiences 9% water loss.

This project was identified in the 2006 Mokelumne/Amador/Calaveras Integrated Regional Water Management Plan as Project 5.4.26.

### **Project Benefits:**

This program will help maximize existing water resources for domestic, commercial and agriculture uses. Other benefits include water conservation via a reduction in water loss, improved water quality, environmental protection, and water supply reliability.

### **Approvals/Permits Received and Still Needed:**

Approvals/Permits Received:

- None

Approvals/Permits Required:

- Amador County Encroachment Permit
- Various City Encroachment Permits

### **Estimated Cost & Source of 25% Local Match:**

The Engineers Estimate of Probable Costs for total project is \$293,840.

Amador Water Agency anticipates providing in-kind Agency Staff labor to meet the 25% local match requirement.

# Gravity Supply Line Project (AWA)

## **Project Description:**

The Amador Water Agency (Agency) has defined service boundaries coterminous with those of Amador County, California. The Agency currently operates the Central Amador Water Project (CAWP) system, which serves the Pine Grove, Mace Meadow, Ranch House, Buckhorn, Pioneer, and surrounding areas generally along Highway 88 in central Amador County. The treatment plant for the CAWP system, the Buckhorn Water Treatment Plant (BWTP), takes its source water from Pacific Gas and Electric's (PG&E) Tiger Creek Afterbay on the Mokelumne River. The current conveyance system utilizes two pump stations and a tar coated steel pipeline, originally constructed in the late 1970s, to lift the water up to the Buckhorn Water Treatment Plant at an elevation of 3450'.

The Gravity Supply Line project would provide raw water to the treatment plant by gravity flow, significantly reducing the escalating pumping costs, and provide a source water conveyance system with costs that have a defined end. Additionally, it will provide system source redundancy, something currently lacking in the CAWP system. The proposed project consists of approximately 34,700 feet of twenty inch and twenty-four inch pipeline from the Tiger Creek Regulator to the Buckhorn Water Treatment Plant. The Tiger Creek Regulator Reservoir's elevation is high enough above the Treatment Plant to provide source water by gravity flow and is the largest and most secure source available for this project.

## **Project Benefits:**

The current annual power demand to operate the pumps in the existing system is approximately 2,200,000 KWH. The two pump stations in the system have a capacity of 1500 gallons per minute, that on peak days are running at capacity for approximately 20 hours a day. These pumps are those originally installed in the 1970's and have never been replaced, only undergone repeated maintenance and tune-up programs. Thus the expected remaining useful life of these pumps at these operating rates is relatively short. Any failure of a pump will result in reduced water production until it can be replaced, and a failure of a pump station or the existing pipeline could result in water outages until it is replaced.

Furthermore, there is no redundancy in the existing pumped system, because the system depends on grid power to run the pumps to move water, any power outages could result in water outages. A failure in either of the pump stations could result in lengthy water outages for the entire CAWP system, and a pipeline break would very likely result in water outages for the entire CAWP system until the pipeline was repaired.

## **Approvals/Permits Received and Still Needed:**

### Approvals/Permits Received:

- Stormwater Construction General Permit
- Army Corps of Engineers Nationwide 12 Permit

### Approvals/Permits Required:

- Amador County Encroachment Permit
- Amador Air District Permit
- Caltrans Encroachment Permit
- Department of Fish & Game 1600 Permit

- State Water Resources Control Board 401 Permit
- PG&E Approval
- FERC Approval (change in diversion point)

**Estimated Cost & Source of 25% Local Match:**

The Engineers Estimate of Probable Costs for the total project is \$13,939,000. Amador Water Agency is seeking \$350,000 to help offset a small portion of the construction costs on the small CAWP customer base. The balance of the project costs are anticipated to come from a \$5.1 million grant and \$8.5 million low interest loan from USDA. A portion of the community is disadvantaged, but likely the service area as a whole would not qualify as disadvantaged.

Amador Water Agency anticipates providing in-kind Agency Staff labor relative to the design and construction of the Gravity Supply Line greater than the 25% local match requirement.

# East Panther Creek Dam Removal and Restoration Project (Phase IV) (Foothill Conservancy)

## PROJECT DESCRIPTION/GOAL

The goal of this project, the final phase of a 10 year restoration effort, is to fully remove the East Panther Creek Dam (which was notched in an earlier Phase) and restore 2 miles of upper Panther Creek, 150 feet of riparian area and 2.5 acres of inundation area for the benefit of yellow legged frog, brown and rainbow trout and other species. This will be done by removing 22.8 cubic yards of concrete that comprise the dam, removing 40 cubic yards of sediment behind the dam, restoring and replanting the dam area and the inundation site, and restoring 150 feet of creek and riparian areas impacted by erosion resulting from the dam.

## PROJECT SCOPE

The East Panther Creek Dam Removal and Restoration Project, Phase IV is the final phase of an historic ten year river restoration effort that included the removal or modification of three small diversion dams and restoration of fisheries habitats on 4 miles of tributaries of the North Fork Mokelumne River. Approximately \$1.2 million has been spent on prior phases of this restoration effort by agency and non-profit partners.

The project is a model project of collaboration and restoration and will be used to educate schools, local decision-makers, and regional and state resource agencies about the importance of dam removal and creek restoration to healthy fisheries and riparian areas in the Sierra. The project has been selected in the Mokelumne/Amador/Calaveras Integrated Regional Water Management Plan (MAC IRWMP) as a significant implementation project. It is "shovel ready".

## PROJECT DELIVERABLES TIMELINE

### Task 1: Administration and Management

- Monthly invoices Monthly
- Subcontracts signed Day 60
- Workplan Finalized Day 60

### Task 2: Project Monitoring and Evaluation

- Performance Measures Finalized Day 60

### Task 3: Public Presentations

- Outreach Plan Day 60
- Press Release Day 90

### Task 4: 2 volunteers enlisted to establish baseline monitoring

- Volunteer Presentation Day 90

### Task 5: Improved access to Dam Site and Restoration Area Day 91

### Task 6: Installed Fish Bypass Day 92

### Task 7: Removal of sedimentation Day 95

### Task 8: Removed concrete Day 96

### Task 9: Improved access to downstream weir Day 97

### Task 10: Removed sediment and concrete at weir Day 98

### Task 11: Removed fishwater bypass Day 101

### Task 12: Installed final erosion and restoration measures Day 104



Task 13: Grading of Doaks Ridge Day 104

Task 14: Public Outreach Day 134-164

Task 15: Annual Monitoring Report

Task 16: Final Report Day 180

#### PROJECT COSTS

Task 1 Project Management \$10,000

Task 2 Monitoring and Performance Measures \$8,000

Task 3 Presentations and Communications \$2,000

Tasks 5 – 13 Labor \$125,000

Tasks 5 – 13 Materials and Supplies \$2,000

Tasks 5 – 13 Equipment \$36,000

Task 12 Erosion Control and Streambank Restoration \$15,000

Task 14 Post Project Outreach \$5,000

Task 16 Reporting \$7,000

TOTAL Request \$210,000

LEVERAGED Match by Ecological Resource Committee & Foothill Conservancy @ \$105,000